## Patent Claims

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- 1. Flowable fibrin adhesive granulate, characterized in that it has granulate pellets with a particle size of over 50 to approximately 1000  $\mu m$  which contain thrombin, Factor XIII, fibringen and a calcium salt.
- 2. Fibrin adhesive granulate in accordance with claim 1, characterized in that the granulate pellets have a particle size of 100 to 200  $\mu m\,.$
- 3. Fibrin adhesive granulate in accordance with claims 1 and 2, characterized in that it also contains albumin, fibronectin, and/or other substances that promote wound healing.
- 4. Effervescent granulate or effervescent powder to generate a foam suitable for hemostasis, characterized in that in addition to the flowable fibrin adhesive granulate of claims 1 to 3, it also contains the substances required for the formation of  $CO_2$ .
- 5. Effervescent granulate or effervescent powder in accordance with claim 4, characterized in that it contains a mixture of a carbonate and a physiologically safe organic acid for the formation of  $CO_2$ .
- 6. Preparation to arrest bleeding, characterized in that it contains a wound care fleece comprised of a biodegradable support medium which is coated with a flowable fibrin adhesive granulate of the claims 1 to 3.
- 7. Preparation in accordance with claim 6, characterized in that the wound care fleece is coated with a hydrophilic, non-aqueous salve base and that the fibrin adhesive of claims 1 to 3 is embedded in said salve base.

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- 8. Wound care fleece in accordance with claims 6 and 7, characterized in that the biodegradable support medium is comprised of natural or chemically modified collagen, keratin, gelatin, carbohydrates or cellulose derivatives.
- 9. Wound care fleece in accordance with claims 6 and 7, characterized in that the biodegradable support medium is comprised of a polymer from the group of the polyhydroxy carboxylic acids, the polyesters, the polycyano acrylates, the polyamino acids, the polyalcohols or the silicones.
- 10. Wound care fleece in accordance with claims 6 to 9, characterized in that it contains fibrinogen in a quantity of 0.05 to 50 mg/cm<sup>2</sup> and thrombin in a quantity of 1  $\mu$ g to 20 mg/cm<sup>2</sup>.
- 11. Wound care fleece in accordance with claims 6 to 10, characterized in that the preparation containing the fibrin adhesive is applied to one or both sides of the support medium.
- 12. Bandage, characterized in that it is coated with a wound care fleece in accordance with claims 6 to 11 at the location that will be applied to the bleeding wound.
- 13. Plaster, characterized in that it is comprised of a water-proof or water-permeable surface material that is coated with a would care fleece in accordance with claims 6 to 11 at the location that will be applied to the bleeding wound and has adhesive surfaces at the edges.
- 14. Preparation to arrest bleeding, characterized in that it is comprised of a hydrophilic, non-aqueous salve base into which the particles of a fibrin adhesive in accordance with claims 1 to 3 are embedded.

- 15. Method for the preparation of the fibrin adhesive granulate in accordance with claims 1 to 3, characterized in that all components of the fibrin adhesive are suspended in an organic solvent and are spray-dried in an evacuatable container by means of a fluidization gas in the fluidized bed up to a particle size of more than 50 to 1000  $\mu$ m, preferably 100 to 200  $\mu$ m.
- 16. Method in accordance with claim 15, characterized in that it is prepared with or without a support medium placed into the container as receiver.
- 17. Method for the preparation of a fibrin adhesive in accordance with claims 1 to 3, characterized in that a fibrinogen granulate is prepared first, and that a suspension of an organic solvent containing thrombin is sprayed onto said fibrinogen granulate, whereby a calcium salt is added either to the fibrinogen granulate or to the thrombin solution.
- 18. Method for the preparation of a fibrin adhesive granulate in accordance with claims 1 to 3, characterized in that the separately prepared fibrinogen- and thrombin granulate pellets, each of which have a particle size of more than 50 µm to approximately 1000 µm, are mixed with one another.
- 19. Method for preparing a preparation in adcordance with claims 6 to 14, characterized in that the fibrin adhesive, which is available as a granulate mixture or as mixed granulate, is layered on a biodegradable support medium.
- 20. Method for preparing the preparation in accordance with claim 14, characterized in that a fibrin adhesive that is available as a granulate mixture or as mixed granulate is impasted with the hydrophilic, non-aqueous salve base.

- 21. Method for preparing a preparation in accordance with claims 6 to 14, characterized in that other biological, vegetable or synthetic active substances such as immunoglobulins, chemotherapeutics or antibiotics, which promote wound healing, are added to the fibrin adhesive granulate.
- 22. Use of a fibrin adhesive granulate in accordance with claims 1 to 5 or a preparation in accordance with claims 6 to 14, characterized in that it is used for wound healing in surgery, tissue therapy, and/or as support medium for biological factors.
- 23. Use of the wound care fleece, the bandage, the plaster or the salve or gel-type preparation in accordance with claims 6 to 14 for the hemostasis of interior or exterior wounds.
- 24. Use of an effervescent granulate or an effervescent powder in accordance with claims 4 and 5 for the preparation of an effervescent pressed tablet.